### Construction Materials and Excavating

(The information in this report indicates the dominant soil condition but does not eliminate the need for onsite investigation)

Map symbol and soil name	Source for roadfill	Source for sand	Source for gravel	   Source for topsoil	Shallow excavations
AaC2:	   Limitation	Limitation	   Limitation 	   Limitation 	Limitation
Aceitunas	Very limited	Very limited  ~excess fines  (thickest layer)  ~excess fines  (bottom layer)	Very limited	Very limited  -too clayey  (very limited)  -too acid  (limited)	Very limited  ~too clayey   (very limited)  ~cutbanks cave   (slightly limited)
AbC2:	i		İ		i
Aceitunas	Very limited  ~low strength   (very limited)  ~shrink-swell   (moderately limited)	Very limited  -excess fines (thickest layer)  -excess fines (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  -too clayey  (very limited)  -too acid  (limited)	Very limited  ~too clayey   (very limited)  ~cutbanks cave   (slightly limited)
AcD:	į į	-	İ		i
Aguilita	Slightly limited  ~large stones   (slightly limited) 	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  -excess lime  (very limited  -large stones >25%  (very limited)  -slope  (limited)	Limited  ~slope   (limited)  ~cutbanks cave   (slightly limited)  ~too clayey   (slightly limited)
Ace:	 		 	 	 
Aguilita	Very limited  ~slope   (very limited)  ~large stones   (slightly limited) 	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer) 	Very limited  -excess lime  (very limited  -slope  (very limited)  -large stones >25%  (very limited)	Very limited  ~slope   (very limited)  ~cutbanks cave   (slightly limited)  ~too clayey   (slightly limited)
AdE2:					!
Aibonito	Very limited  ~low strength   (very limited)  ~slope   (very limited)  ~shrink-swell	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~slope   (very limited)  ~too clayey   (very limited)  ~too acid	Very limited  ~slope   (very limited)  ~too clayey   (limited)  ~cutbanks cave

Map symbol and soil name	Source for roadfill	Source for sand	Source for gravel	Source for topsoil	Shallow excavations
	Limitation	Limitation	Limitation	Limitation	Limitation
An: Alluvial land	    Not rated	    Not rated	    Not rated	    Not rated	    Not rated
AoD: Anones	    Very limited	    Very limited	    Very limited	    Very limited	    Very limited
	"depth to bedrock   (very limited)   "low strength   (slightly limited)   "slope   (slightly limited)	-excess fines   (thickest layer)  -excess fines   (bottom layer)	<pre>  ~excess fines   (bottom layer)   ~excess fines   (thickest layer)</pre>	-depth to bedrock (very limited) -slope (very limited) -too acid (slightly limited)	<pre>  "slope   (very limited)   "soft bedrock &lt;40"   (limited)   "cutbanks cave   (slightly limited)</pre>
AoE2:	 				
Anones	Very limited  ~depth to bedrock   (very limited)  ~slope   (very limited)  ~low strength   (slightly limited)	Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer) 	Very limited  ~depth to bedrock   (very limited)  ~slope   (very limited)  ~too acid   (slightly limited)	Very limited  ~slope   (very limited)  ~soft bedrock <40"   (limited)  ~cutbanks cave   (slightly limited)
AoF2:	 		 		1
Anones	Very limited  ~slope   (very limited)  ~depth to bedrock   (very limited)  ~low strength   (slightly limited)	Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~depth to bedrock   (very limited)  ~slope   (very limited)  ~too acid   (slightly limited)	Very limited  ~slope   (very limited)  ~soft bedrock <40"   (limited)  ~cutbanks cave   (slightly limited)
Ba: Bajura	  Very limited	  Very limited	  Very limited	  Very limited	  Very limited
ра јш а	very limited  ~shrink-swell   (very limited)  ~low strength   (very limited)  ~wetness   (limited)	<pre>  very limited   ~excess fines   (thickest layer)   ~excess fines   (bottom layer)                                      </pre>	very limited   ~excess fines   (bottom layer)   ~excess fines   (thickest layer) 	<pre> very limited  ~too clayey   (very limited)  ~wetness   (limited)  </pre>	very limited  -wetness   (very limited)  -too clayey   (limited)  -flooding   (moderately limited

Map symbol and soil name	Source for roadfill	Source for sand	Source for gravel	Source for topsoil	Shallow excavations
 	Limitation	Limitation	Limitation	Limitation	Limitation
BcB:					
Bejucos     -  -	Very limited  ~low strength   (very limited) 	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~too clayey   (very limited)  ~too acid   (moderately limited)	Moderately limited ~too clayey (moderately limited) ~cutbanks cave (slightly limited)
BeB:			İ	i	
Bejucos	Very limited  ~low strength   (very limited) 	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~too clayey   (very limited)  ~too acid   (moderately limited)	Moderately limited ~too clayey (moderately limited) ~cutbanks cave (slightly limited)
  CaC:	i			<b>i</b>	
Cabo rojo	Very limited  ~low strength   (very limited)  ~shrink-swell   (moderately limited)	Very limited  ~excess fines (thickest layer)  ~excess fines (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~too clayey   (very limited)  ~too acid   (slightly limited)	Limited  -too clayey (limited)  -cutbanks cave (slightly limited)
CaC2:			İ		
Cabo rojo    	Very limited  ~low strength   (very limited)  ~shrink-swell   (moderately limited)	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~too clayey   (very limited)  ~too acid   (slightly limited)	Limited ~too clayey (limited) ~cutbanks cave (slightly limited)

Map symbol and soil name	Source for roadfill	Source for sand	Source for gravel	Source for topsoil	Shallow excavations
CbF2:	   Limitation 	   Limitation 	Limitation	   Limitation 	Limitation
Caguabo	Very limited  ~depth to bedrock   (very limited)  ~slope	Very limited -excess fines (thickest layer) -excess fines	Limited  ~excess fines   (bottom layer)  ~excess fines	Very limited  ~depth to bedrock   (very limited)  ~slope	Very limited ~hard bedrock <40" (very limited) ~slope
	(very limited)     	(bottom layer)     	(thickest layer)     	(very limited)  ~small stones   (very limited)	(very limited) -cutbanks cave (slightly limited)
CcB:					
Camaguey	Very limited  ~shrink-swell   (very limited)  ~low strength   (very limited)	Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~too clayey   (very limited)   	Very limited ~cutbanks cave (very limited) ~too clayey (limited)
d:	İ		İ	İ	
Catano	Not limited    -  -  -  -	Probable source         	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~too sandy   (very limited)  ~excess lime   (limited)	Very limited ~cutbanks cave (very limited)
Ce:	İ	İ	İ	İ	
Catano	Not limited 	Probable source  -excess fines   (thickest layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~too sandy   (very limited)  ~excess lime   (limited)	Very limited ~cutbanks cave (very limited)
CfC2: Cidral	  Very limited  ~low strength   (very limited)  ~shrink-swell   (slightly limited)	  Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	  Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	  Very limited  ~too clayey   (very limited)  ~too acid   (moderately limited)	Limited ~too clayey (limited) ~cutbanks cave (slightly limited)
Ch: Coastal beach	    Not rated	    Not rated	    Not rated	    Not rated	Not rated

Map symbol and soil name	Source for roadfill	Source for sand	Source for gravel	Source for topsoil	Shallow excavations
	Limitation	Limitation	Limitation	Limitation	Limitation
ClD:	 	 	1	i i	
Colinas	Very limited  ~depth to bedrock   (very limited)  ~low strength   (very limited)  ~slope   (slightly limited)	Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~depth to bedrock   (very limited)  ~excess lime   (very limited  ~slope   (very limited)	Very limited  ~slope   (very limited)  ~soft bedrock <40"   (limited)  ~cutbanks cave   (slightly limited)
ClE:	 			İ	
Colinas	Very limited  ~depth to bedrock   (very limited)  ~slope   (very limited)  ~low strength   (very limited)	Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~depth to bedrock   (very limited)  ~excess lime   (very limited  ~slope   (very limited)	Very limited   ~slope   (very limited)   ~soft bedrock <40"   (limited)   ~cutbanks cave   (slightly limited)
ClF2:	 	 		<u> </u> 	
Colinas	Very limited  ~depth to bedrock   (very limited)  ~slope   (very limited)  ~low strength   (very limited)	Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~depth to bedrock   (very limited)  ~excess lime   (very limited  ~slope   (very limited)	Very limited  ~slope   (very limited)  ~soft bedrock <40"   (limited)  ~cutbanks cave   (slightly limited)
CmD:			İ	İ	
Colinas	Very limited  ~depth to bedrock   (very limited)  ~low strength   (very limited)  ~slope   (slightly limited)	Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~depth to bedrock   (very limited)  ~excess lime   (very limited  ~large stones >25%   (very limited)	Very limited  ~slope   (very limited)  ~soft bedrock <40"   (limited)  ~cutbanks cave   (slightly limited)

Map symbol and soil name	Source for roadfill	Source for sand	Source for gravel	Source for topsoil	Shallow excavations
me:	   Limitation 	Limitation	   Limitation 	   Limitation 	   Limitation 
Colinas	Very limited    ~depth to bedrock   (very limited)   ~slope   (very limited)   ~low strength   (very limited)	Very limited  -excess fines (thickest layer)  -excess fines (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~depth to bedrock   (very limited)  ~excess lime   (very limited  ~slope   (very limited)	Very limited   -slope   (very limited)   -soft bedrock <40"   (limited)   -cutbanks cave   (slightly limited)
Cn:	<b>j</b>		į	į	İ
Coloso	Very limited  ~low strength   (very limited)  ~shrink-swell   (moderately limited)	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~too clayey   (very limited) 	Limited  ~wetness   (limited)  ~flooding   (moderately limited)  ~too clayey   (moderately limited)
CoE:				 	
Consumo	Very limited  -low strength   (very limited)  -slope   (very limited)	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~slope   (very limited)  ~too clayey   (limited)  ~too acid   (moderately limited)	Very limited  ~slope   (very limited)  ~too clayey   (limited)  ~cutbanks cave   (slightly limited)
CoF2:	İ		İ	İ	İ
Consumo	Very limited  ~slope   (very limited)  ~low strength   (very limited)	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~slope   (very limited)  ~too clayey   (limited)  ~too acid   (moderately limited)	Very limited  ~slope   (very limited)  ~too clayey   (limited)  ~cutbanks cave   (slightly limited)

Map symbol and soil name	Source for roadfill	Source for sand	Source for gravel	Source for topsoil	Shallow excavations
 Cr:	   Limitation	   Limitation 	Limitation	   Limitation 	Limitation
Corcega	Moderately limited -wetness (moderately limited)	Probable source ~excess fines (thickest layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Moderately limited   ~too sandy   (moderately limited)   ~wetness   (moderately limited)   ~too clayey   (slightly limited)	~wetness
CtB2:	  Very limited	  Very limited	  Very limited	  Very limited	Very limited
	~low strength   (very limited)   ~depth to bedrock   (very limited)   ~shrink-swell   (moderately limited)	~excess fines (thickest layer) ~excess fines (bottom layer)	~excess fines   (bottom layer)   ~excess fines   (thickest layer)	<pre>~too clayey   (very limited)   ~depth to bedrock   (very limited)</pre>	<pre>~hard bedrock &lt;40"   (very limited) ~too clayey   (very limited) ~cutbanks cave   (slightly limited)</pre>
CuB2:					
Coto	Very limited  ~low strength   (very limited)  ~shrink-swell   (very limited)	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~too clayey   (very limited)  ~too acid   (slightly limited)	Very limited ~too clayey (very limited) ~cutbanks cave (slightly limited)
CuC2:			 	 	
Coto	Very limited  ~low strength   (very limited)  ~shrink-swell   (very limited) 	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer) 	Very limited  ~too clayey   (very limited)  ~too acid   (slightly limited)  ~slope   (slightly limited)	Very limited  -too clayey (very limited)  -cutbanks cave (slightly limited)  -slope (slightly limited)
CvB: Coto	  Very limited	  Very limited	  Very limited	  Very limited	  Very limited
	~low strength   (very limited)   ~shrink-swell   (very limited)	-excess fines (thickest layer) -excess fines (bottom layer)	/~excess fines   (bottom layer)  ~excess fines   (thickest layer)	-too clayey (very limited) -too acid (slightly limited)	<pre>~too clayey  (very limited) ~cutbanks cave  (slightly limited)</pre>

Map symbol and soil name	Source for roadfill	Source for sand	Source for gravel	Source for topsoil	Shallow excavations
CwF:	   Limitation 	Limitation	   Limitation 	   Limitation 	   Limitation 
Cuchillas	Very limited  ~depth to bedrock   (very limited)  ~slope   (very limited) 	Very limited  -excess fines (thickest layer)  -excess fines (bottom layer)	Very limited  -excess fines  (bottom layer)  -excess fines  (thickest layer)	Very limited  ~depth to bedrock   (very limited)  ~slope   (very limited)	Very limited  ~slope   (very limited)  ~soft bedrock <40"   (limited)  ~cutbanks cave   (slightly limited)
DaD2:			İ	İ	
Daguey	Very limited  ~low strength   (very limited)  ~slope   (slightly limited)  ~shrink-swell   (slightly limited)	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~too clayey   (very limited)  ~slope   (very limited)  ~too acid   (slightly limited)	Very limited  -too clayey   (very limited)  -slope   (very limited)  -cutbanks cave   (slightly limited)
DaE2:			 	 	
Daguey	Very limited  ~low strength   (very limited)  ~slope   (very limited)  ~shrink-swell   (slightly limited)	Very limited  ~excess fines (thickest layer)  ~excess fines (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~slope   (very limited)  ~too clayey   (very limited)  ~too acid   (slightly limited)	Very limited  ~slope   (very limited)  ~too clayey   (very limited)  ~cutbanks cave   (slightly limited)
DcD2:				1	 
Delicias	Very limited   ~low strength   (very limited)   ~shrink-swell   (moderately limited)	Very limited  -excess fines (thickest layer)  -excess fines (bottom layer)	Very limited   ~excess fines   (bottom layer)   ~excess fines   (thickest layer)	Very limited   ~too clayey   (very limited)   ~slope   (limited)   ~small stones   (moderately limited)	Limited  ~slope   (limited)  ~too clayey   (limited)  ~cutbanks cave   (slightly limited)

Map symbol and soil name	   Source for roadfill	   Source for sand	   Source for gravel	   Source for topsoil	Shallow excavations
DeC:	   Limitation 	   Limitation 	   Limitation 	   Limitation 	Limitation
Descalabrado	Very limited  ~depth to bedrock   (very limited)  ~shrink-swell   (very limited)  ~low strength   (very limited)	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Very limited  -excess fines  (bottom layer)  -excess fines  (thickest layer)	Very limited  ~depth to bedrock   (very limited)  ~small stones   (very limited)  ~too clayey   (very limited)	Very limited  ~hard bedrock <40"   (very limited)  ~cutbanks cave   (very limited)  ~too clayey   (moderately limited
DeD:	 			 	İ
Descalabrado	Very limited  ~depth to bedrock   (very limited)  ~shrink-swell   (very limited)  ~low strength   (very limited)	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Very limited  -excess fines  (bottom layer)  -excess fines  (thickest layer)	Very limited   -depth to bedrock   (very limited)  -small stones   (very limited)  -too clayey   (very limited)	Very limited  ~hard bedrock <40"   (very limited)  ~cutbanks cave   (very limited)  ~slope   (very limited)
DeF:	İ			İ	j
Descalabrado	Very limited  ~depth to bedrock   (very limited)  ~shrink-swell   (very limited)  ~slope   (very limited)	Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~depth to bedrock   (very limited)  ~slope   (very limited)  ~small stones   (very limited)	Very limited  ~hard bedrock <40"   (very limited)  ~slope   (very limited)  ~cutbanks cave   (very limited)
Du:	<u>.</u>	<u>.</u>	<u>.</u>		į
Dique	Very limited  ~low strength   (very limited)   	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Very limited   -excess fines   (bottom layer)   -excess fines   (thickest layer)	Not limited 	Moderately limited  ~flooding   (moderately limited  ~cutbanks cave   (slightly limited)
Es: Espinal	  Not limited       	Possible source  -possible source   (thickest layer)  -possible source   (bottom layer)	  Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	  Very limited  ~too sandy   (very limited) 	  Very limited  ~cutbanks cave   (very limited) 

Map symbol and soil name	Source for roadfill	Source for sand	Source for gravel	Source for topsoil	Shallow excavations
:nC:	   Limitation 	   Limitation 	Limitation	   Limitation 	   Limitation 
Guanajibo	Very limited  ~low strength   (very limited) 	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Moderately limited   ~too clayey   (moderately limited)   ~too sandy   (moderately limited)   ~too acid   (moderately limited)	~cutbanks cave
GoC: Guanajibo	  Very limited  ~low strength   (very limited) 	  Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	  Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	   Moderately limited   ~too clayey   (moderately limited)   ~too sandy   (moderately limited)   ~too acid   (moderately limited)	cutbanks cave (slightly limited)
SPQ: Gravel, pits and quarries	  Not rated 	  Not rated 	  Not rated 	  Not rated 	  Not rated 
GuB:					
Guerrero	Very limited  ~low strength   (very limited)  ~shrink-swell   (slightly limited)	Possible source  -excess fines   (bottom layer)  -possible source   (thickest layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~too sandy   (very limited) 	Very limited  ~cutbanks cave   (very limited)  ~too clayey   (limited)
ImD2: Humatas	  Very limited	  Very limited	  Very limited	  Very limited	  Very limited
	~low strength   (very limited)   ~shrink-swell   (slightly limited)   ~slope   (slightly limited)	-excess fines (thickest layer) -excess fines (bottom layer)	<pre>  remitted   ~excess fines   (bottom layer)   ~excess fines   (thickest layer)                                      </pre>	<pre>  very limited   ~too clayey   (very limited)   ~slope   (very limited)   ~too acid   (slightly limited)</pre>	-too clayey   (very limited)  -slope   (very limited)  -cutbanks cave   cslightly limited)

Map symbol and soil name	Source for roadfill	Source for sand	Source for gravel	Source for topsoil	Shallow excavations
HmE2:	Limitation	   Limitation 	Limitation	Limitation	Limitation
Humatas	Very limited  ~low strength   (very limited)  ~slope   (very limited)  ~shrink-swell   (slightly limited)	Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~slope   (very limited)  ~too clayey   (very limited)  ~too acid   (slightly limited)	Very limited  ~slope   (very limited)  ~too clayey   (very limited)  ~cutbanks cave   (slightly limited)
HmF2:	İ	İ		İ	
Humatas	Very limited  ~slope   (very limited)  ~low strength   (very limited)  ~shrink-swell   (slightly limited)	Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~slope   (very limited)  ~too clayey   (very limited)  ~too acid   (slightly limited)	Very limited  ~slope   (very limited)  ~too clayey   (very limited)  ~cutbanks cave   (slightly limited)
HuE:				i	
Humatas	Very limited  ~low strength   (very limited)  ~slope   (very limited)  ~shrink-swell   (slightly limited)	Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer) 	Very limited  ~too clayey   (very limited)  ~slope   (very limited)  ~too acid   (slightly limited)	Very limited  ~too clayey   (very limited)  ~slope   (very limited)  ~cutbanks cave   (slightly limited)
Ig:				i	
Igualdad	Limited  ~wetness   (limited)  ~shrink-swell   (slightly limited)	Possible source  ~excess fines   (thickest layer)  ~possible source   (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~too clayey   (very limited)  ~wetness   (limited)	Very limited  ~cutbanks cave   (very limited)  ~wetness   (very limited)  ~flooding   (moderately limited

Map symbol and soil name	   Source for roadfill	Source for sand	   Source for gravel	   Source for topsoil	   Shallow excavations
JaC:	   Limitation	   Limitation	Limitation	   Limitation	   Limitation
Jacana	  Very limited  ~low strength   (very limited)  ~depth to bedrock   (very limited)  ~shrink-swell   (moderately limited)	  Very limited  ~excess fines  (thickest layer)  ~excess fines  (bottom layer)	  Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	  Very limited  ~too clayey   (very limited)  ~depth to bedrock   (very limited)  ~slope   (slightly limited)	Limited  -too clayey   (limited)  -soft bedrock <40"   (moderately limited)  -cutbanks cave   (slightly limited)
Jd: Jaucas	  Not limited     	Probable source	  Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited   ~too sandy   (very limited)   ~excess salts   (very limited)   ~excess lime   (limited)	  Very limited  ~cutbanks cave   (very limited) 
JoB: Jobos	  Very limited  ~low strength   (very limited)  ~shrink-swell   (moderately limited)	Very limited  -excess fines (thickest layer)  -excess fines (bottom layer)	  Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	  Very limited  ~too clayey   (very limited)  ~too acid   (slightly limited)	Limited -too clayey (limited) -cutbanks cave (slightly limited)
JuD2: Juncal	  Very limited  ~low strength   (very limited)   ~shrink-swell   (very limited)  ~slope   (slightly limited)	  Very limited  ~excess fines  (thickest layer)  ~excess fines  (bottom layer)	  Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	  Very limited  ~too clayey   (very limited)  ~slope   (very limited)	  Very limited  ~slope   (very limited)  ~too clayey   (moderately limited)  ~cutbanks cave   (slightly limited)
LaB2: Lares	  Very limited  ~low strength   (very limited)  ~shrink-swell   (moderately limited)	  very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	  Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	  Very limited  ~too clayey   (very limited)  ~too acid   (slightly limited)	Limited  -too clayey  (limited)  -cutbanks cave  (slightly limited)

Map symbol and soil name	Source for roadfill	Source for sand	Source for gravel	Source for topsoil	Shallow excavations
LaD2:	   Limitation 	Limitation	Limitation	Limitation	Limitation
Lares	Very limited   ~low strength   (very limited)   ~shrink-swell   (moderately limited)	Very limited  -excess fines (thickest layer)  -excess fines (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer) 	Very limited  ~too clayey   (very limited)  ~slope   (limited)  ~too acid   (slightly limited)	Limited  ~too clayey   (limited)  ~slope   (limited)  ~cutbanks cave   (slightly limited)
Lc: Leveled clayey land	  Not rated 	Not rated	  Not rated 	  Not rated 	  Not rated 
Le: Leveled clayey land	    Not rated	Not rated	    Not rated	    Not rated	    Not rated
Lf: Leveled land	    Not rated	Not rated	    Not rated	    Not rated	    Not rated
LFD: Landfill	!    Not rated 	Not rated	    Not rated 	    Not rated 	    Not rated 
Lm: Leveled sandy land	    Not rated 	Not rated	    Not rated 	    Not rated 	    Not rated 
Lo: Limestone outcrop	    Not rated 	Not rated	    Not rated 	    Not rated 	    Not rated 
Lr: Limestone rock land	    Not rated 	Not rated	    Not rated 	    Not rated 	    Not rated 
LuD2: Los guineos	  Very limited  ~low strength   (very limited)  ~shrink-swell   (moderately limited)  ~slope   (slightly limited)	Very limited  -excess fines (thickest layer)  -excess fines (bottom layer)	  Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	  Very limited  ~too clayey   (very limited)  ~slope   (very limited)  ~too acid   (limited)	  Very limited  ~slope   (very limited)  ~too clayey   (limited)  ~cutbanks cave   (slightly limited)

Map symbol and soil name	Source for roadfill	Source for sand	Source for gravel	Source for topsoil	Shallow excavations
 LuF2:	   Limitation	   Limitation 	   Limitation	Limitation	Limitation
Los guineos	  Very limited  ~low strength   (very limited)  ~slope   (very limited)  ~shrink-swell   (moderately limited)	Very limited  -excess fines (thickest layer)  -excess fines (bottom layer)	  Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited   ~slope   (very limited)   ~too clayey   (very limited)   ~too acid   (limited)	Very limited   ~slope   (very limited)   ~too clayey   (limited)   ~cutbanks cave   (slightly limited)
MaB: Mabi	  Very limited  ~shrink-swell   (very limited)  ~low strength   (very limited)  ~wetness   (slightly limited)	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	  Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	  Very limited  ~too clayey   (very limited)  ~wetness   (slightly limited)	  Very limited  ~cutbanks cave   (very limited)  ~wetness   (very limited)  ~too clayey   (limited)
MaC2: Mabi	  Very limited  ~shrink-swell   (very limited)  ~low strength   (very limited)  ~wetness   (slightly limited)	  Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	  Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	  Very limited  ~too clayey   (very limited)  ~wetness   (slightly limited)  ~slope   (slightly limited)	Very limited   ~cutbanks cave   (very limited)   ~wetness   (very limited)   ~too clayey   (limited)
McF2: Malaya	  Very limited  ~depth to bedrock   (very limited)  ~slope   (very limited)  ~shrink-swell   (slightly limited)	  Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	  Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited   ~depth to bedrock   (very limited)   ~slope   (very limited)   ~too clayey   (very limited)	Very limited   ~hard bedrock <40"   (very limited)   ~slope   (very limited)   ~too clayey   (moderately limited
MdB: Maleza	Very limited  -low strength   (very limited)  -shrink-swell   (moderately limited)	Very limited  -excess fines  (bottom layer)  -excess fines  (thickest layer)	  Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	  Very limited  ~too clayey   (very limited) 	Limited  -too clayey   (limited)  -cutbanks cave   (slightly limited)

Map symbol and soil name	Source for roadfill	Source for sand	Source for gravel	Source for topsoil	Shallow excavations
	   Limitation 	   Limitation 	Limitation	Limitation	Limitation
Mh: Mani	  Very limited  ~low strength   (very limited)  ~shrink-swell   (very limited)	  Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	  Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	  Very limited  ~too clayey   (very limited) 	Limited  ~wetness   (limited)  ~flooding   (moderately limited)  ~too clayey   (moderately limited)
Mn: Mani	  Very limited  ~low strength   (very limited)  ~shrink-swell   (very limited)	  Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	  Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	  Very limited  ~too clayey   (very limited)	  Limited  ~wetness   (limited)  ~flooding   (moderately limited)  ~too clayey   (moderately limited)
MoD2: Maresua	  Very limited  ~depth to bedrock   (very limited)  ~slope   (slightly limited)	  Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	Possible source   ~excess fines   (bottom layer)   ~possible source   (thickest layer)	Very limited   ~small stones   (very limited)   ~too clayey   (very limited)   ~slope   (very limited)	  Very limited  ~cutbanks cave   (very limited)  ~slope   (very limited)  ~too clayey   (moderately limited)
MoF2: Maresua	  Very limited  ~depth to bedrock   (very limited)  ~slope   (very limited)	  very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	  Possible source  ~excess fines   (bottom layer)  ~possible source   (thickest layer)	  Very limited  ~slope   (very limited)  ~small stones   (very limited)  ~too clayey   (very limited)	  Very limited  ~slope   (very limited)  ~cutbanks cave   (very limited)  ~too clayey   (moderately limited)

Map symbol and soil name	Source for roadfill	Source for sand	Source for gravel	Source for topsoil	Shallow excavations
√pD2:	   Limitation 	   Limitation 	Limitation	Limitation	Limitation
Mariana	Very limited  ~low strength   (very limited)  ~depth to bedrock   (moderately limited)  ~slope   (slightly limited)	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~too clayey   (very limited)  ~slope   (very limited)  ~too acid   (limited)	Very limited  ~slope   (very limited)  ~too clayey   (moderately limited  ~cutbanks cave   (slightly limited)
MpE2:			İ	i	İ
Mariana	Very limited   ~low strength   (very limited)   ~slope   (very limited)   ~depth to bedrock   (moderately limited)	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~slope   (very limited)  ~too clayey   (very limited)  ~too acid   (limited)	Very limited  ~slope   (very limited)  ~too clayey   (moderately limited  ~cutbanks cave   (slightly limited)
MrF2:			İ	İ	
Maricao	Very limited  ~low strength   (very limited)  ~slope   (very limited) 	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~slope   (very limited)  ~too clayey   (very limited)  ~too acid   (limited)	Very limited  ~slope   (very limited)  ~too clayey   (limited)  ~cutbanks cave   (slightly limited)
MsB:	i		İ	i	
Matanzas	Very limited   ~low strength   (very limited)   ~shrink-swell   (very limited)   ~depth to bedrock   (moderately limited)	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~too clayey   (very limited) 	Very limited   ~too clayey   (very limited)   ~depth to bedrock   (limited)   ~cutbanks cave   (slightly limited)

Map symbol and soil name	Source for roadfill	Source for sand	Source for gravel	Source for topsoil	Shallow excavations
ftB:	   Limitation 	Limitation	Limitation	   Limitation 	   Limitation 
Matanzas	Very limited  ~low strength   (very limited)  ~shrink-swell   (very limited)  ~depth to bedrock   (moderately limited)	Very limited  -excess fines (thickest layer)  -excess fines (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~too clayey   (very limited)	Very limited  -too clayey  (very limited)  -depth to bedrock  (limited)  -cutbanks cave  (slightly limited)
Limestone rockland	Not rated	Not rated	Not rated	Not rated	Not rated
MuC2: Moca	  Very limited  ~low strength   (very limited)  ~shrink-swell   (moderately limited)	Very limited -excess fines (thickest layer) -excess fines (bottom layer)	  Very limited  ~excess fines  (bottom layer)  ~excess fines  (thickest layer)	  Very limited  ~too clayey  (very limited)  ~too acid  (moderately limited)  ~slope	  Limited  ~too clayey  (limited)  ~cutbanks cave  (slightly limited)  ~slope
MuD2:				(slightly limited)   	(slightly limited)
Moca	Very limited   ~low strength   (very limited)   ~shrink-swell   (moderately limited)   ~slope   (slightly limited)	Very limited  -excess fines (thickest layer)  -excess fines (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  -too clayey   (very limited)  -slope   (very limited)  -too acid   (moderately limited)	Very limited    ~slope   (very limited)   ~too clayey   (limited)   ~cutbanks cave   (slightly limited)
MuD3: Moca	  Very limited  ~low strength   (very limited)  ~shrink-swell   (moderately limited)  ~slope   (slightly limited)	Very limited  -excess fines (thickest layer)  -excess fines (bottom layer)	  Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  -too clayey (very limited)  -slope (very limited)  -too acid (moderately limited)	Very limited <pre>~slope (very limited)  ~too clayey (limited)  ~cutbanks cave (slightly limited)</pre>

Map symbol and soil name	Source for roadfill	Source for sand	Source for gravel	   Source for topsoil	   Shallow excavations
MuE3:	   Limitation 	   Limitation 	   Limitation 	   Limitation 	   Limitation 
Moca	Very limited	Very limited  -excess fines (thickest layer)  -excess fines (bottom layer)	Very limited  -excess fines  (bottom layer)  -excess fines  (thickest layer)	Very limited <pre>  rslope   (very limited)   rtoo clayey   (very limited)   rtoo acid   (moderately limited)</pre>	Very limited  -slope (very limited)  -too clayey (limited)  -cutbanks cave (slightly limited)
MvC:			İ		
Montegrande	Very limited  ~shrink-swell   (very limited) 	Very limited  -excess fines (thickest layer)  -excess fines (bottom layer)	Limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Very limited  -small stones  (very limited)  -area reclaim  (very limited)  -too clayey  (very limited)	Very limited  -cutbanks cave  (very limited)  -too clayey  (limited)  -wetness  (limited)
MwD2:	 		 	] ]	] ]
Morado	Very limited  ~low strength   (very limited)  ~depth to bedrock   (very limited)  ~slope   (slightly limited)	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Very limited  -excess fines  (bottom layer)  -excess fines  (thickest layer)	Very limited   ~slope   (very limited)  ~depth to bedrock   (very limited)  ~too clayey   (limited)	Very limited  ~slope   (very limited)  ~soft bedrock <40"   (moderately limited)  ~cutbanks cave   (slightly limited)
MwE2:					
Morado	Very limited  ~low strength   (very limited)  ~depth to bedrock   (very limited)  ~slope   (very limited)	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~slope   (very limited)  ~depth to bedrock   (very limited)  ~too clayey   (limited)	Very limited  ~slope   (very limited)  ~soft bedrock <40"   (moderately limited)  ~cutbanks cave   (slightly limited)

Map symbol and soil name	   Source for roadfill	Source for sand	Source for gravel	   Source for topsoil 	Shallow excavations
MwF2:	   Limitation 	   Limitation 	   Limitation 	   Limitation 	Limitation
Morado	Very limited  -slope  (very limited)  -low strength (very limited)  -depth to bedrock (very limited)	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  -slope  (very limited)  -depth to bedrock  (very limited)  -too clayey  (limited)	Very limited  ~slope   (very limited)  ~soft bedrock <40"   (moderately limited)  ~cutbanks cave   (slightly limited)
MxC:					İ
Mucara	Very limited  ~depth to bedrock   (very limited)  ~shrink-swell   (moderately limited)	Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~depth to bedrock   (very limited)  ~slope   (slightly limited)	Limited  ~soft bedrock <40"   (limited)  ~too clayey   (moderately limited)  ~cutbanks cave   (slightly limited)
MxD2:	] ]	] ]	 	] ]	! 
Mucara	Very limited   ~depth to bedrock   (very limited)   ~shrink-swell   (moderately limited)   ~slope   (slightly limited)	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer) 	Very limited  ~depth to bedrock   (very limited)  ~slope   (very limited)	Very limited  ~slope   (very limited)  ~soft bedrock <40"   (limited)  ~too clayey   (moderately limited)
MxE2:	İ		į		į
Mucara	Very limited  ~depth to bedrock   (very limited)  ~slope   (very limited)	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer) 	Very limited  ~depth to bedrock   (very limited)  ~slope   (very limited)	Very limited  ~slope   (very limited)  ~soft bedrock <40"   (limited)  ~too clayey   (moderately limited)

Map symbol and soil name	Source for roadfill	Source for sand	Source for gravel	Source for topsoil	Shallow excavations
/xF2:	   Limitation 	   Limitation 	   Limitation 	Limitation	Limitation
Mucara	Very limited  ~slope   (very limited)  ~depth to bedrock   (very limited)	Very limited  -excess fines (thickest layer)  -excess fines (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~depth to bedrock   (very limited)  ~slope   (very limited)	Very limited  ~slope   (very limited)  ~soft bedrock <40"   (limited)  ~too clayey   (moderately limited
NaD:			İ	İ	
Naranjo	Very limited  ~low strength   (very limited)  ~shrink-swell   (very limited)  ~slope   (slightly limited)	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~excess lime   (very limited  ~too clayey   (very limited)  ~slope   (very limited)	Very limited  ~slope   (very limited)  ~too clayey   (moderately limited  ~cutbanks cave   (slightly limited)
NcD2:			İ	İ	
Nipe	Very limited  ~low strength   (very limited)  ~shrink-swell   (moderately limited) 	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~too clayey   (very limited)  ~slope   (limited)  ~too acid   (slightly limited)	Limited  ~slope   (limited)  ~too clayey   (limited)  ~cutbanks cave   (slightly limited)
PaC2:			İ	İ	
Palmarejo	Slightly limited  ~low strength   (slightly limited) 	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~too clayey   (very limited)  ~too acid   (limited)  ~slope   (slightly limited)	Moderately limited  ~too clayey   (moderately limited  ~cutbanks cave   (slightly limited)  ~slope   (slightly limited)

Map symbol and soil name	   Source for roadfill	Source for sand	Source for gravel	   Source for topsoil 	   Shallow excavations
PeD2:	   Limitation 	   Limitation 	   Limitation 	   Limitation 	   Limitation 
Perchas	Very limited  ~low strength   (very limited)  ~shrink-swell   (very limited)  ~slope   (slightly limited)	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  -too clayey   (very limited)  -slope   (very limited)  -too acid   (moderately limited)	Very limited  -cutbanks cave   (very limited)  -slope   (very limited)  -too clayey   (limited)
P1E2:	İ		İ		
Plata	Very limited  ~slope   (very limited)   	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	Very limited  ~slope   (very limited)  ~small stones   (very limited)  ~area reclaim   (very limited)	Very limited  ~slope   (very limited)  ~cutbanks cave   (very limited)  ~too clayey   (moderately limited)
P1F2:	 		 		
Plata	Very limited  ~slope   (very limited)     	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	Very limited  ~slope   (very limited)  ~small stones   (very limited)  ~area reclaim   (very limited)	Very limited  ~slope   (very limited)  ~cutbanks cave   (very limited)  ~too clayey   (moderately limited)
QuD2:	İ		İ		
Quebrada	Very limited  ~low strength   (very limited)  ~shrink-swell   (moderately limited)  ~slope   (slightly limited)	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer) 	Very limited  ~slope   (very limited)  ~too clayey   (moderately limited)	Very limited   ~slope   (very limited)  ~too clayey   (moderately limited)  ~cutbanks cave   (slightly limited)

Map symbol and soil name	Source for roadfill	Source for sand	Source for gravel	Source for topsoil	Shallow excavations
No. E. 7.	Limitation	   Limitation	Limitation	   Limitation	   Limitation
QuE2: Quebrada	  Very limited  ~slope   (very limited)  ~low strength   (very limited)  ~shrink-swell   (moderately limited)	Very limited  -excess fines (thickest layer)  -excess fines (bottom layer)	  Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	  Very limited  ~slope   (very limited)  ~too clayey   (moderately limited) 	  very limited  ~slope   (very limited)  ~too clayey   (moderately limited  ~cutbanks cave   (slightly limited)
QuF2: Ouebrada	    Very limited	    Very limited	    Very limited	    Very limited	    Very limited
•	~slope   (very limited)  ~low strength   (very limited)  ~shrink-swell   (moderately limited)	~excess fines (thickest layer) ~excess fines (bottom layer)	~excess fines   (bottom layer)   ~excess fines   (thickest layer)	~slope   (very limited)  ~too clayey   (moderately limited)	-slope   (very limited)  -too clayey
Re: Reilly	  Not limited	Possible source	Possible source	  Very limited	  Very limited
REIIIY		-excess fines (bottom layer) -possible source (thickest layer)	-excess fines (thickest layer) -possible source (bottom layer)	~small stones   (very limited)  ~area reclaim   (very limited)	<pre> very limited   ~cutbanks cave   (very limited)   ~wetness   (limited)   ~flooding   (moderately limited)</pre>
RlB:					
Rio lajas	Not limited 	Possible source -excess fines (bottom layer) -possible source (thickest layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~too sandy   (very limited) 	Very limited  ~cutbanks cave   (very limited)   
RpC2:	None limited	 	 		  -::
Rio piedras	Very limited  ~low strength   (very limited)  ~shrink-swell   (moderately limited)	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~too clayey   (very limited)  ~too acid   (limited)  ~slope   (slightly limited)	Limited   ~too clayey   (limited)   ~cutbanks cave   (slightly limited)   ~slope   (slightly limited)

Map symbol and soil name	   Source for roadfill	   Source for sand	Source for gravel	Source for topsoil	Shallow excavations
	Limitation	   Limitation 	Limitation	Limitation	Limitation
RpD2: Rio piedras	  Very limited  ~low strength   (very limited)  ~shrink-swell	  Very limited  ~excess fines   (thickest layer)  ~excess fines	  Very limited  ~excess fines   (bottom layer)  ~excess fines	  Very limited  ~too clayey   (very limited)  ~slope	  Very limited  ~slope   (very limited)  ~too clayey
	(moderately limited)  ~slope   (slightly limited)	(bottom layer)    -	(thickest layer)   	(very limited)  ~too acid   (limited) 	(limited)  ~cutbanks cave   (slightly limited)
Rr: Riverwash	  Not rated 	  Not rated 	  Not rated 	  Not rated 	  Not rated 
RsD2:					
Rosario	Very limited  ~low strength   (very limited)  ~depth to bedrock   (very limited)  ~shrink-swell   (slightly limited)	Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~too clayey   (very limited)  ~slope   (very limited)  ~depth to bedrock   (very limited)	Very limited  ~hard bedrock <40"   (very limited)  ~slope   (very limited)  ~too clayey   (limited)
RsE2:	<u> </u>	 			
Rosario	Very limited  ~low strength   (very limited)  ~depth to bedrock   (very limited)  ~slope   (very limited)	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~slope   (very limited)  ~too clayey   (very limited)  ~depth to bedrock   (very limited)	Very limited  ~hard bedrock <40"   (very limited)  ~slope   (very limited)  ~too clayey   (limited)
RsF2: Rosario	  Very limited  ~slope   (very limited)  ~low strength   (very limited)  ~depth to bedrock   (very limited)	  Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	  Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited   rslope   (very limited)   rtoc clayey   (very limited)   rdepth to bedrock   (very limited)	  Very limited  ~hard bedrock <40"   (very limited)  ~slope   (very limited)  ~too clayey   (limited)

Map symbol and soil name	   Source for roadfill	Source for sand	Source for gravel	   Source for topsoil	Shallow excavations
SaD:	   Limitation 	   Limitation 	Limitation	   Limitation 	Limitation
San german	Very limited  -depth to bedrock  (very limited)  -slope  (slightly limited)	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  -depth to bedrock  (very limited)  -small stones  (very limited)  -slope  (very limited)	Very limited
SaE:			İ		İ
San german	Very limited  ~depth to bedrock   (very limited)  ~slope   (very limited)	Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	Limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~depth to bedrock   (very limited)  ~slope   (very limited)  ~small stones   (very limited)	Very limited  ~hard bedrock <40"   (very limited)  ~slope   (very limited)  ~cutbanks cave   (slightly limited)
ScB:			 		 
San german	Very limited  ~depth to bedrock   (very limited)    -	Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	Limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~depth to bedrock   (very limited)  ~excess lime   (very limited  ~small stones   (very limited)	Very limited  ~hard bedrock <40"   (very limited)  ~cutbanks cave   (slightly limited) 
sdF2:			 		 
San sebastian	Very limited  ~shrink-swell   (very limited)  ~slope   (very limited)	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Possible source  -excess fines   (thickest layer)  -possible source   (bottom layer)	Very limited  -excess lime  (very limited  -slope  (very limited)  -small stones  (very limited)	Very limited  ~slope   (very limited)  ~cutbanks cave   (very limited)  ~too clayey   (limited)

Map symbol and soil name	Source for roadfill	Source for sand	Source for gravel	   Source for topsoil	   Shallow excavations
SeB:	   Limitation 	Limitation	   Limitation 	   Limitation 	   Limitation 
Santa clara	Very limited  -low strength  (very limited)  -depth to bedrock  (very limited)  -shrink-swell  (moderately limited)	Very limited  ~excess fines (thickest layer)  ~excess fines (bottom layer)	Very limited  -excess fines  (bottom layer)  -excess fines  (thickest layer)	Very limited  -too clayey   (very limited)  -depth to bedrock   (limited)	Very limited  -hard bedrock <40"  (very limited)  -too clayey  (limited)  -cutbanks cave  (slightly limited)
SmE2:	İ		İ	İ	1
Santa marta	Very limited  ~low strength   (very limited)  ~slope   (very limited)  ~shrink-swell   (moderately limited)	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~slope   (very limited)  ~too clayey   (limited)	Very limited  ~slope   (very limited)  ~depth to bedrock   (limited)  ~too clayey   (moderately limited
Sn:			i	! 	! 
Santoni	Very limited  -low strength (very limited)  -shrink-swell (very limited)  -wetness (moderately limited)	Very limited  ~excess fines (thickest layer)  ~excess fines (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	  very limited  ~too clayey   (very limited)  ~wetness   (moderately limited)	Very limited  -wetness  (very limited)  -flooding  (moderately limited)  -too clayey  (moderately limited)
SNS: Soils not surveyed	  Not rated 	Not rated	  Not rated 	  Not rated 	  Not rated 
So: Serpentinite outcrop	    Not rated 	Not rated	    Not rated   	    Not rated   	    Not rated   

Map symbol and soil name	   Source for roadfill	   Source for sand	Source for gravel	Source for topsoil	Shallow excavations
	   Limitation 	   Limitation 	Limitation	   Limitation 	Limitation
Soller	Very limited  ~depth to bedrock   (very limited) 	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~depth to bedrock   (very limited)  ~slope   (limited)  ~large stones   (slightly limited)	Very limited  ~hard bedrock <40"   (very limited)  ~too clayey   (limited)  ~slope   (limited)
Limestone rockland	  Not rated 	Not rated	Not rated	  Not rated 	Not rated 
SrE: Soller	    Very limited	    Very limited	    Very limited	    Very limited	    Very limited
	-low strength   (very limited)  -depth to bedrock   (very limited)  -shrink-swell   (very limited)	<pre>~excess fines (thickest layer) ~excess fines (bottom layer)</pre>	<pre> ~excess fines   (bottom layer)  ~excess fines   (thickest layer)    </pre>	<pre>~depth to bedrock (very limited) ~slope (very limited) ~too clayey (very limited)</pre>	<pre>  ~hard bedrock &lt;40"   (very limited)   ~slope   (very limited)   ~too clayey   (limited)</pre>
Limestone rockland	  Not rated 	  Not rated 	Not rated	  Not rated	Not rated
SsD2: Soller	  Very limited  ~depth to bedrock   (very limited) 	  Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	  Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	  Very limited  ~depth to bedrock   (very limited)  ~slope   (limited)  ~large stones   (limited)	Very limited   ~hard bedrock <40"   (very limited)   ~too clayey   (limited)   ~slope   (limited)
SsE2: Soller	  Very limited  ~depth to bedrock   (very limited)  ~slope   (very limited)	  Very limited  ~excess fines  (thickest layer)  ~excess fines  (bottom layer)	  Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	  Very limited  ~depth to bedrock   (very limited)  ~slope   (very limited)  ~large stones   (limited)	

Map symbol and soil name	   Source for roadfill	Source for sand	Source for gravel	Source for topsoil	Shallow excavations
	   Limitation 	   Limitation 	   Limitation 	   Limitation 	Limitation
StB: Soller	  Very limited  ~depth to bedrock   (very limited)   	  Very limited  ~excess fines  (thickest layer)  ~excess fines  (bottom layer)	  Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer) 	  Very limited  ~depth to bedrock   (very limited)  ~large stones   (slightly limited)	Very limited   ~hard bedrock <40"   (very limited)   ~too clayey   (limited)   ~cutbanks cave   (slightly limited)
StC: Soller	  Very limited  ~depth to bedrock   (very limited) 	  Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	  Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited	Very limited   ~hard bedrock <40"   (very limited)   ~too clayey   (limited)   ~cutbanks cave   (slightly limited)
StD: Soller	  Very limited  ~depth to bedrock   (very limited)  ~slope   (slightly limited)	  Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	  Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited	  Very limited  ~hard bedrock <40"   (very limited)  ~slope   (very limited)  ~too clayey   (limited)
StE: Soller	  Very limited  ~depth to bedrock   (very limited)  ~slope   (very limited)	  Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	  Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	  Very limited  ~depth to bedrock   (very limited)  ~slope   (very limited)  ~large stones   (slightly limited)	  Very limited  ~hard bedrock <40"   (very limited)  ~slope   (very limited)  ~too clayey   (limited)

Map symbol and soil name	Source for roadfill	Source for sand	Source for gravel	   Source for topsoil	Shallow excavations
Ta:	Limitation	Limitation	Limitation	   Limitation 	Limitation
Talante	Slightly limited  ~wetness   (slightly limited) 	Possible source  -excess fines  (thickest layer)  -possible source  (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  -too sandy  (very limited)  -too acid  (slightly limited)  -wetness  (slightly limited)	Very limited   ~cutbanks cave   (very limited)   ~wetness   (very limited)   ~flooding   (moderately limited)
TcB2:	İ				
Tanama	Very limited  ~shrink-swell   (very limited)  ~low strength   (very limited)  ~depth to bedrock   (very limited)	Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  -depth to bedrock  (very limited)  -too clayey (very limited)  -large stones (slightly limited)	Very limited
  TcC2:	i	i	i	i	
Tanama	Very limited  ~shrink-swell   (very limited)  ~low strength   (very limited)  ~depth to bedrock   (very limited)	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  -depth to bedrock  (very limited)  -too clayey  (very limited)  -large stones  (slightly limited)	Very limited   ~hard bedrock <40"   (very limited)   ~too clayey   (very limited)   ~cutbanks cave   (slightly limited)
TcD2:	İ	İ	i		
Tanama	Very limited  ~shrink-swell   (very limited)  ~low strength   (very limited)  ~depth to bedrock   (very limited)	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  -depth to bedrock  (very limited)  -too clayey  (very limited)  -slope  (very limited)	Very limited   ~hard bedrock <40"   (very limited)   ~too clayey   (very limited)   ~slope   (very limited)

Map symbol and soil name	Source for roadfill	Source for sand	Source for gravel	Source for topsoil	Shallow excavations
:: :cE2:	Limitation	   Limitation	Limitation	   Limitation	   Limitation
Tanama	Very limited   ~shrink-swell   (very limited)   ~low strength   (very limited)   ~depth to bedrock   (very limited)	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Very limited   ~excess fines   (bottom layer)   ~excess fines   (thickest layer)	Very limited  -depth to bedrock  (very limited)  -slope  (very limited)  -too clayey  (very limited)	Very limited
Td: Tidal swamp	  Not rated 	    Not rated 	  Not rated 	    Not rated 	    Not rated 
ToA: Toa	  Very limited  ~low strength   (very limited)  ~shrink-swell   (moderately limited)	Very limited  -excess fines (thickest layer)  -excess fines (bottom layer)	  Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	  Very limited  ~too clayey   (very limited) 	   Moderately limited   ~flooding   (moderately limited   ~too clayey   (moderately limited   ~cutbanks cave   (slightly limited)
Ts: Toa	  Very limited  ~low strength   (very limited)  ~shrink-swell   (moderately limited)	  Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	  Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	  Very limited  ~too clayey   (very limited)   	   Moderately limited   ~flooding   (moderately limited   ~too clayey   (moderately limited   ~cutbanks cave   (slightly limited)
VoD2: Voladora	  Very limited  ~low strength   (very limited)  ~slope   (slightly limited)	  Very limited  ~excess fines   (thickest layer)  ~excess fines   (bottom layer)	  Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	  Very limited  ~slope   (very limited)  ~too clayey   (limited)  ~too acid   (limited)	  Very limited  ~slope   (very limited)  ~too clayey   (limited)  ~cutbanks cave   (slightly limited)

Map symbol and soil name	   Source for roadfill	Source for sand	   Source for gravel	   Source for topsoil	   Shallow excavations
VoE2:	   Limitation 	   Limitation 	Limitation	   Limitation 	Limitation
Voladora	Very limited   -low strength   (very limited)  -slope   (very limited)	Very limited  -excess fines  (thickest layer)  -excess fines  (bottom layer)	Very limited  ~excess fines   (bottom layer)  ~excess fines   (thickest layer)	Very limited  ~slope   (very limited)  ~too clayey   (limited)  ~too acid   (limited)	Very limited  ~slope   (very limited)  ~too clayey   (limited)  ~cutbanks cave   (slightly limited)
VrC2: Voladora	    Very limited	    Very limited	    Very limited	    Limited	    Limited
	~low strength   (very limited)     	<pre>~excess fines  (thickest layer) ~excess fines  (bottom layer)</pre>	<pre>  ~excess fines   (bottom layer)   ~excess fines   (thickest layer)    </pre>	<pre>~too clayey ( (limited)   ~too acid ( (limited)   ~slope   (slightly limited)</pre>	<pre> ~too clayey   (limited)  ~cutbanks cave   (slightly limited)  ~slope   (slightly limited)</pre>
W: Water> 40 acres	    Not rated	Not rated	      Not rated	Not rated	Not rated